## UK Patent Application (19) GB (11) 2 360 930 (13) A

(43) Date of A Publication 10.10.2001

- (21) Application No 0008678.5
- (22) Date of Filing 07.04.2000
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- (51) INT CL7 A63B 71/12
- (52) UK CL (Edition S.) **A3V** V60
- (56) Documents Cited

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(58) Field of Search

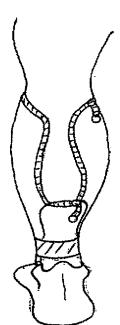
UK CL (Edition S ) A3V INT CL7 A41D 13/00 13/015 13/018 13/05 13/06 , A63B 71/08 71/12

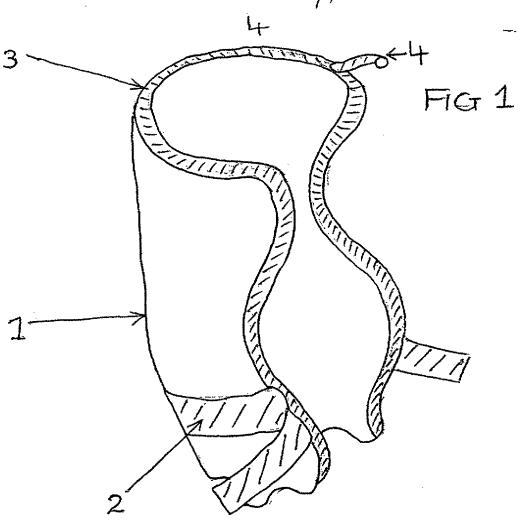
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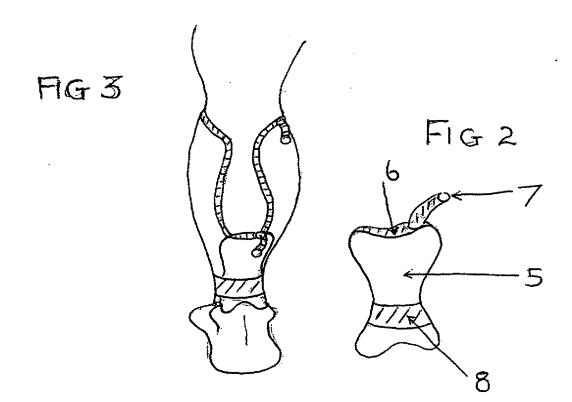
- (54) Abstract Title A lower leg protector
- (57) A two section lower leg protector provides protection to front, sides and rear of the lower leg, a first section protecting the front and sides and the second the rear. Each section is made of a hard carbon material with both sections preferably having an inflatable lining.

Both sections are attached by a velcro (R.T.M.) strap.

FIG 3







A DUAL LOWER LEG PROTECTOR WITH INFLATABLE LINING

THIS INVENTION RELATES TO A DUAL LOWER LEG PROTECTOR WITH INFLATABLE LINING.

LOWER LEG PROTECTORS ARE

VARIOUS ADAPTATIONS ARE AVAILABLE
WITH VARIOUS MATERIALS USED TO PROVIDE BOTH
THE HARD EXTERIOR AND SOFTER INTEROR LINING.

PRESENT LOWER LEG PROTECTORS DO NOT COVER ENCUGH OF THE LOWER LEG SURFACE THEREFOR ALLOWING INJURY POSSIBILITIES TO OCCUR.

IN ADDITION TO THE SAFETY ISSUE, PERSENT LOWER LEG PROTECTORS CAN BE UNCOMPORTABLE DURING ACTIVE MOVEMENT.

ACCORDING TO THE PRESENT INVENTION
THERE IS PROVIDED CARBON HORD CUTER SHELLS
FOR A FRONTOL SECTION AND REAR SECTION OF
THE LONGE LEG. EACH OF THESE OUTER SHELLS
HAS A SMOOTHE RUBBER LINING THAT CAN BE
INFLATED WITH AIR THROUGH TUBES LOCATED AT THE
TOP OF EACH SECTION OF THE PROTECTOR.

THE FRONT AND PEAR SECTIONS OF THE
PROTECTOR ARE JOINED TOCKETHER AROUND THE
LOWER LEG BY A VEICZOS STEAD.

A SPECIFIC EMBODIMENT OF THE INVENTION
WILL NOW BE DESCRIBED BY WAY OF EXAMPLE WITH
REFERENCE TO THE ACCOMPANYING DRAWINGS
IN WHICH.

FIG. 1 SHOWS IN PERSPECTIVE THE FRONT SECTION OF THE PROTECTOR WITH INFLATABLE INTERIOR LINING AND TUBE WITH VELCZOS STRAPPING.

FIG 2 SHOWS THE REAR SECTION OF THE PROTECTOR. THIS CONSISTS OF A CARBON HARD OUTER SHELL, INFLATABLE LINING WITH INFLATION TUBE AND A VELCROS STRIP

FIG. 3 SHOWS A REAR VIEW OF THE PROTECTOR
WITH BOTH FRONTOL ALD REAR SECTIONS
ATTACHED TOGETHER BY THE VELCROS BAND.

REFERRING TO THE DRAWINGS, THE PROTECTOR COMPRISES FOR THE FRONTIAL SECTION, A SHAPED HARD CARBON EXTERIOR 1. VELCROS STRAPPING ATTACHED TO THE CARBON EXTERIOR 2.

AN INFLATABLE LINING 3 NITH INFLATION TUBE!

A REAR PROTECTOR COMPRISES A SHAPED CARBON HARD EXTERICR 5. AN INFLATABLE LINING 6. WITH INFLATION TUBE 7 AND A VELCECS ATTACHMENT 8.

## CLAIMS

- 1. A LOWER LEG PROTECTOR COMPRISING TWO SECTIONS EACH OF SHAPED HARD CARBON.

  THE FRONTAL SECTION PROTECTS THE FRONT AND SIDES OF THE LOWER LEG. THE REAR SECTION PROTECTS THE REAR SECTION.

  PROTECTS THE BEACK OF THE LOWER LEG.
- · 2. A LOWER LEG PROTECTOR AS CLAIMED IN

  CLAIM 1 WHEREIN INFLATABLE LININGS TO BOTH

  FRONT AND REAR SECTIONS CAN BE INFLATED TO

  SUIT INDIVIDUAL REQUIREMENTS BY TUBES PROVIDED

  TO BOTH SECTIONS
- 3 A LOWER LEG PROTECTOR AS CLAIMED IN CLAIM I OR CLAIM 2 WHEREIN THE PROTECTOR CAN BE ATTACHED TOGETHER BY USE OF VEKROS (ATN.)
  STRAPPING.